

10/533920  
JC06 Recd CT/PTO 05 MAY 2005

Docket No.: 09931-00040-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Carl Towns et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: ARYL-SUBSTITUTED  
POLYINDENOFUORENES FOR USE IN  
ORGANIC ELECTROLUMINESCENT  
DEVICES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on the PTO/SB/08 is attached.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.E.N

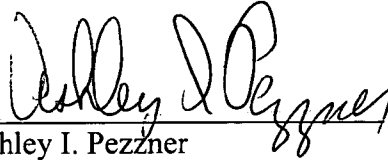
10/533920

Application No.: Not Yet Assigned

JCO6 PCT/PTO 05 MAY 2009  
Docket No.: 09931-00040-US

application by this firm) to our Deposit Account No. 03-2775, under Order No. 09931-00040-US. A duplicate copy of this paper is enclosed.

Respectfully submitted,

By   
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	Not Yet Assigned <b>10/533920</b>
				Filing Date	Concurrently Herewith
				First Named Inventor	Carl Towns
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	09931-00040-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-5,621,131	04-15-1997	Kreuder et al.	
	AB	US-6,653,438	11-25-2003	Spreitzer et al.	
	AC	US-2005/0038223	02-17-2005	Becker et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	WO-90/13148	11-01-1990	Cambridge Research and Innovation Limited, et al.		
	BB	WO-92/03490	03-05-1992	Cambridge Research and Innovation Limited, et al.		
	BC	EP-0 707 020	04-17-1996	Hoechst AG		See US 5,621,131
	BD	WO-97/05184	02-13-1997	The Dow Chemical Company		
	BE	WO-97/42666	11-13-1997	Cambridge Display Technology Limited		
	BF	WO-98/05187	02-05-1998	Cambridge Display Technology Limited		
	BG	WO-98/06773	02-19-1998	The Dow Chemical Company		
	BH	EP-0 842 208	05-20-1998	The Dow Chemical Company		
	BI	WO-99/48160	09-23-1999	Cambridge Display Technology Ltd.		
	BJ	EP-0 949 850	10-13-1999	Cambridge Display Technology Limited		
	BK	WO-99/54385	10-28-1999	The Dow Chemical Company		
	BL	WO-00/22026	04-20-2000	Axiva GmbH		See US 6,653,438
	BM	DE-198 46 767	04-20-2000	Aventis Research & Technologies GmbH & Co. KG		See Abstract
	BN	WO-00/46321	08-10-2000	The Dow Chemical Company		
	BO	WO-00/53656	09-14-2000	Cambridge Display Technology Limited		
	BP	WO-00/55927	09-21-2000	Cambridge Display Technology		
	BQ	WO-01/49769	07-12-2001	Cambridge Display Technology Limited		
	BR	WO-02/23579	03-21-2002	Ceravision Limitd		
	BS	WO-03/020790	03-13-2003	Covion Organic Semiconductors GmbH		See US 2005/0038223

Examiner Signature	/Michael Nelson/	Date Considered	04/03/2008
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.E.N

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if known</b>	
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				First Named Inventor	Carl Towns
				Art Unit	N/A
Examiner Name	Not Yet Assigned				
Attorney Docket Number	09931-00040-US				
Sheet	2	of	2		

BT	DE-102 41 814	03-25-2004	Covion Organic Semiconductors GmbH		See Abstract
BU	DE-103 37 077	03-10-2005	Covion Organic Semiconductors GmbH		See Abstract

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Setayesh, S. et al., "Bridging The Gap Between Polyfluorene And Ladder-Poly- <i>p</i> -phenylene: Synthesis And Characterization of Poly-2, 8-indenofluorene", Macromolecules (2000), 33, 2016-2020.	
	CB	Ego, C. et al., "Triphenylamine-Substituted Polyfluorene-A Stable Blue-Emitter with Improved Charge Injection for Light-Emitting Diodes", Advanced Materials (2002), 14, No. 11, pp. 809-811.	
	CC	Marsitzky, D. et al., "Poly-2,8-(indenofluorene-co-anthracene)-A Colorfast Blue-Light-Emitting Random Copolymer", Advanced Materials (2001), 13, No. 14, pp. 1096-1099.	
	CD	Setayesh, S. et al., "Polyfluorenes with Polyphenylene Dendron Side Chains: Toward Non-Aggregating, Light-Emitting Polymers", J. Am. Chem. Soc. (2001), 123, pp. 946-953.	
	CE	Jacob, J. et al., "Poly(tetraarylindenofluorene)s: New Stable Blue-Emitting Polymers", Macromolecules (2003), 36, pp. 8240-8245.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Examiner Signature	/Michael Nelson/	Date Considered	04/03/2008
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